Bruhat Bengaluru Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

FINAL E-BILL

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Modified Cost RS :- 77.06 Lakhs

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

JOB CODE NO:-004-20-000032

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Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Recorded On:- 02/11/2021

Final E- Bill

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty	Rate	Amount
1	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						342.29		
	A)Up to125% of quantity						187.64	58.99	11068.74
	B)Above 125% of quantity						154.65	45.57	7047.51
2	KSRRB M100-1 Loading and un loading of stoneboulder/Stoneaggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications (P.No.136, I No.17.1 of PW,P&IWTD SR 2018-19).								
		Cum		Vide Item No. 1			342.29	68.72	23522.17
3	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)								
		Sqm							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						847.96	6.67	5655.89
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (P.No.13,I No.4.2 of PW,P&IWTD SR 2018-19)								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						127.19	4258.26	541608.09
5	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS.383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1								
	For CC Road:-N-LIG 4th Block Back	cum	1	20.40	20.30	0.15	62.12		
			1	8.70	2.70	0.15	3.52		
			1	23.60	3.60	0.15	12.74		

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			1	2.40	2.00	0.15	0.72			
			1	8.20	7.80	0.15	9.59			
			1	3.30	2.20	0.15	1.09			
			1	10.00	5.20	0.15	7.80			
			0.50	11.00	9.00	0.15	7.43			
			1	18.20	4.35	0.15	11.88			
			1	3.50	2.70	0.15	1.42			
			1	7.60	3.70	0.15	4.22			
			1	11.00	4.50	0.15	7.43			
			1	1.20	0.90	0.15	0.16			
		(-)Deductions:-					130.11			
		Man Holes	1	1.00	0.60	0.15	0.09			
		Circles	1	(3.142X4.00X4.00) / 4		0.15	1.89			
			0.50	(3.142X4.00X4.00) / 4		0.15	0.94			
							2.92			
							127.19	5907.56	751404.41	
6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator,HOM of machinery screed vibratory,power floater,blade and disk etc,,with all lead and lift etc as per specifications . (Page No. 176 & Item No.22 7of PW, P&IWTD SR 2018-19)									
	For CC Road:-N-LIG 4th Block Back	Sqm	1	20.40	20.30		414.12			
			1	8.70	2.70		23.49			
			1	23.60	3.60		84.96			
			1	2.40	2.00		4.80			
			1	8.20	7.80		63.96			
			1	3.30	2.20		7.26			
			1	10.00	5.20		52.00			
			0.50	11.00	9.00		49.50			
			1	18.20	4.35		79.17			
			1	3.50	2.70		9.45			
			1	7.60	3.70		28.12			
			1	11.00	4.50		49.50			
			1	1.20	0.90		1.08			
						Total Qty	867.41			
		(-)Deductions:-								
		Man Holes	1	1.00	0.60		0.60			
		Circles	1	(3.142X4.00X4.00) / 4			12.57			
			0.50	(3.142X4.00X4.00) / 4			6.28			
							19.45			
							847.96	75.58	64088.67	
7	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine,generator&HOM of machinery,including cost of blade,coolant etc as per specifications as per specifications. (Page No. 176 & Item No.22 8of PW, P&IWTD SR 2018-19)									
	For CC Road:-N-LIG 4th Block Back	Sqm	6	20.40			122.40			
			6	20.30			121.80			
			2	2.70			5.40			
			6	3.60			21.60			
			2	8.20			16.40			
			2	7.80			15.60			
			2	5.20			10.40			
			2	11.00			22.00			
			3	9.00			27.00			
			2	18.20			36.40			
			4	4.35			17.40			
			2	3.75			7.50			

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			3	4.55			13.65		
							437.55	150.04	65650.00
	B.BUILDING								
8	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a)/2.3.1 KSRB 2-1.1 -do- ordinary soil (BCSR Item No 2.1 Page No 6)								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						34.63	281.96	9764.27
9	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						187.45	508.44	95307.08
10	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						50.04		
	A)Up to125% of quantity						10.58	2750.55	29087.07
	B)Above 125% of quantity						39.46		
	Limited To Schedule'B' Qty						39.33	2750.55	108179.13
11	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4.8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						48.48		
	A)Up to125% of quantity						32.63	5777.40	188487.68
	B)Above 125% of quantity						15.86	6200.10	98302.59
12	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
		Cum							
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						50.42		
	A)Up to125% of quantity						44.73	5204.42	232767.68
	B)Above 125% of quantity						5.70	5204.42	29639.17

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(BBMP Ynk. Zn)
Yelahanka, Bangalore

13	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)									
	Coping Concrete:- Long Walls	Cum	2	17.40	0.45	0.10	1.57			
			1	6.15	0.45	0.10	0.28			
	Short Walls		1	3.05	0.45	0.10	0.14			
			1	8.80	0.45	0.10	0.40			
			1	4.20	0.45	0.10	0.19			
			2	4.30	0.45	0.10	0.39			
			1	1.10	0.45	0.10	0.05			
	Flooring:-Hall		2	2.55	0.45	0.10	0.23			
			1	8.70	3.25	0.12	3.39			
			1	8.70	3.20	0.12	3.34			
			1	8.70	3.20	0.12	3.34			
	Staircase		1	8.70	3.25	0.12	3.39			
			1	4.20	2.90	0.12	1.46			
	Portica		1	4.10	2.90	0.12	1.43			
	Steps		1	2.50	2.55	0.12	0.77			
	Sump Inside		1	2.90	1.90	0.12	0.66			
	Flagging Concrete :- R/Side		1	3.80	2.25	0.10	0.86			
	L/Side		1	21.90	0.90	0.12	2.37			
	Front		1	21.75	0.95	0.12	2.48			
	Back		1	9.90	0.90	0.12	1.07			
	Main Entry Culvert Slabs Approaches		1	12.80	0.60	0.12	0.92			
			2	12.00	0.60	0.12	1.73			
							30.42	6033.32	183543.85	
14	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10									
		Cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						80.32	227.61	18281.64	
15	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4									
		Cum								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						141.77	70.34	9972.10	
16	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured)(BCSR Item No 3.2,Page No. 10)									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						199.77	120.03	23978.39	
17	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill						72.36	292.15	21139.97	

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A.E.E

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18	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							65.07	405.39	26378.73
19	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							130.42	516.37	67338.45
20	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							207.86	452.95	94150.19
21	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							15.27		
	A)Up to125% of quantity							15.05	854.95	12867.60
	B)Above 125% of quantity							0.22	854.95	188.09
22	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							96.72	330.65	31980.47
23	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							15.19	588.84	8944.48
24	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37									
		Sqm								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							8.51	365.76	3112.62
25	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10									
	Footings.-F1	Cum	6	2.45	2.15	0.60	18.96			

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	F2		5	2.15	1.85	0.525	10.44		
	F3		4	2.10	1.80	0.45	6.80		
	F4		2	1.40	1.40	0.375	1.47		
	Plinth Beam Level Columns:-C1		6	0.45	0.30	1.25	1.01		
	C2		5	0.45	0.20	1.35	0.61		
	C3		4	0.45	0.20	1.40	0.50		
	C4		2	0.30	0.30	1.50	0.27		
	Plinth Beam:- Long Walls		2	17.30	0.20	0.45	3.11		
			1	6.20	0.20	0.45	0.56		
	Short Walls		1	2.90	0.20	0.45	0.26		
			3	4.20	0.20	0.45	1.13		
			3	4.30	0.20	0.45	1.16		
	Sump:-Bottom Slab		1	2.50	0.20	0.45	0.23		
	Side Walls		1	4.90	3.30	0.30	4.85		
			2	4.20	0.25	1.50	3.15		
	Cover Slab		2	2.40	0.25	1.50	1.80		
			1	4.30	2.85	0.15	1.84		
							58.16	6581.39	382801.20
26	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12									
	Columns upto Linte beam bottom:-C1	Cum	6	0.45	0.30	2.10	1.70		
	C2		5	0.45	0.20	2.10	0.95		
	C3		4	0.45	0.20	2.10	0.76		
	C4		2	0.30	0.30	2.10	0.38		
	Columns upto Linte to beam bottom:-C1		6	0.45	0.30	0.70	0.57		
	C2		5	0.45	0.20	0.70	0.32		
	C3		4	0.45	0.20	0.70	0.25		
	C4		2	0.30	0.30	0.70	0.13		
	Parapet level:-C1		6	0.45	0.30	0.90	0.73		
	C2		5	0.45	0.20	0.90	0.41		
	C3		4	0.45	0.20	0.90	0.32		
	C4		2	0.30	0.30	0.90	0.16		
	Lintel Beam:- Long Walls		2	17.30	0.20	0.20	1.38		
	Short Walls		2	4.30	0.20	0.20	0.34		
			3	4.40	0.20	0.20	0.53		
	Staircase:-First Flight		1	4.00	1.35	0.12	0.65		
	Landing		1	3.10	1.35	0.12	0.50		
			1	1.25	1.35	0.12	0.20		
	Second flight		1	2.50	1.35	0.12	0.41		
	Steps	0.50	19	1.35	0.25	0.12	0.38		
	Ground Floor Roof		1	17.30	9.10	0.15	23.61		
			1	2.90	2.90	0.15	1.26		
	Tie Beam:- Long Walls		2	17.30	0.20	0.30	2.08		
			1	6.20	0.20	0.30	0.37		
			1	2.90	0.20	0.30	0.17		
	Short Walls		3	4.30	0.20	0.30	0.72		
			3	4.40	0.20	0.30	0.79		
			1	2.50	0.20	0.30	0.15		
	Center Beams		3	9.60	0.30	0.45	3.89		
							44.16		
	(-)Deductions :-								
	Staire case		1	4.35	2.90	0.15	1.89		
							42.27		

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							A)Up to125% of quantity		14.78	6845.25	101138.42
							B)Above 125% of quantity		27.49		
							Limited To Schedule'B' Qty		27.05	7643.67	206761.27
27	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12										
	Head Room Columns:- C2		Cum	3	0.45	0.20	2.10	0.57			
	C3			1	0.45	0.20	2.10	0.19			
	Parapet Level:- C2			3	0.45	0.20	0.60	0.16			
	C3			1	0.45	0.20	0.60	0.05			
								0.97	6913.18	6719.61
28	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc , complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2										
	Head Room:- Slab		Cum	1	5.70	3.20	0.15	2.74			
								2.74	6224.69	17030.75
29	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20										
	Ground Floor Chejja,s:-W		Sqm	9	2.10	0.45		8.51			
								8.51	561.66	4776.92
30	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20										
	Head Room:-V		Sqm	Quantity Not Operated				Nil			
								0.00	572.96	0.00
31	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2										
			Tonne								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill								11.81		
									11.81	88333.57	1043219.46

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32	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2									
		Tonne								
	Quantity Vide As Per Pre Measurement are prepared in E-Bill							0.56		
								0.56	89180.59	49941.13
33	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1									
	GF,Up to Lintel:- Long Wall,s:-	Sqm	2	3.25			2.10	13.65		
			2	3.20			2.10	13.44		
			2	3.20			2.10	13.44		
			2	3.25			2.10	13.65		
			2	2.90			2.10	12.18		
	Short Walls:-		2	4.10			2.10	17.22		
			2	4.20			2.10	17.64		
	Up to Tie Beam:- Long Wall,s:-									
			2	3.25			0.70	4.55		
			2	3.20			0.70	4.48		
			2	3.20			0.70	4.48		
			2	3.25			0.70	4.55		
	Short Walls:-		2	2.90			0.70	4.06		
			2	4.10			0.70	5.74		
			2	4.20			0.70	5.88		
								134.94		
	(-)Deductions									
	Main Door		1	1.80			2.40	4.32		
	W		9	1.80			1.50	24.30		
	V		1	1.80			0.45	0.81		
								29.43		
								105.53		
					Limited To Schedule'B' Qty		104.95		1032.73	108385.01
34	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X150X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.2									
	Head Room:-Long Walls	Sqm	2	4.70			2.10	19.74		
	Short Walls		2	2.90			2.10	12.18		
	Head Room Parapet Walls		2	5.70			0.60	6.84		
			2	2.90			0.60	3.48		
	Parapet,Long Wall,s:-		2	3.25			0.90	5.85		
			2	3.20			0.90	5.76		
			2	3.20			0.90	5.76		
			2	3.25			0.90	5.85		
			1	2.90			0.90	2.61		
			2	2.50			0.90	4.50		
	Short Walls:-		1	4.10			0.90	3.69		
			1	1.20			0.90	1.08		
			1	4.20			0.90	3.78		
			1	2.25			0.90	2.03		
	Flagging Coarse :- R/Side		1	21.90			0.60	13.14		
	L/Side		1	21.75			0.60	13.05		

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	Staircase:-First Flight		1	3.20	1.35		4.32			
	Landing		1	3.00	1.35		4.05			
	Second flight		1	1.50	1.35		2.03			
	Head Room		1	2.10	1.35		2.84			
	Projection Roof		1	4.35	2.90		12.62			
	Sump		2	3.20	1.95		12.48			
			1	3.90	2.30		8.97			
	(-)Deductions.-						236.19			
	Staircase		1	4.35	2.90		12.62			
							223.57			
						Limited To Schedule'B' Qty	219.73	254.79	55985.01	
40	Providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106									
	Internal Painting:-Hall	Sqm	2	16.90		3.30	111.54			
			2	8.70		3.30	57.42			
			2	4.65		3.30	30.69			
	W		9	6.60	0.10		5.94			
	V		1	4.80	0.10		0.48			
	Head Room:-Long Walls		2	4.35		2.10	18.27			
	Short Walls		2	2.90		2.10	12.18			
	Cealing:-Hall		1	16.70	8.70		145.29			
	Portico		1	2.90	2.90		8.41			
	Center Beams		6	8.70		0.45	23.49			
			2	8.70		0.30	5.22			
			2	2.90		0.30	1.74			
			2	2.50		0.30	1.50			
			4	2.70		0.30	3.24			
	Head Room		1	4.35	2.90		12.62			
	Projection Roof		2	3.20	0.90		5.76			
							443.79			
	(-)Deductions:-									
	D	0.50	1	1.80		2.40	2.16			
	V	0.50	1	1.80		0.60	0.54			
	W	0.50	9	1.80		1.50	12.15			
	Head Room:-D1	0.50	1	1.20		2.10	1.26			
	V	0.50	1	1.80		0.60	0.54			
	Staircase		1	4.35	2.90		12.62			
							29.27			
							414.52			
						Limited To Schedule'B' Qty	412.45	88.33	36431.71	
41	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I No. 15.51.2									
	Internal Painting:-Hall	Sqm	2	16.90		3.30	111.54			
			2	8.70		3.30	57.42			
			1	4.60		2.70	12.42			
	W		9	6.60	0.10		5.94			
	V		1	4.80	0.10		0.48			
	Head Room:-Long Walls		2	4.35		2.10	18.27			
	Short Walls		2	2.90		2.10	12.18			
							218.25			
	(-)Deductions:-									
	D	0.50	1	1.80		2.40	2.16			
	V	0.50	1	1.80		0.45	0.41			

		W	0.50	9	1.80		1.50	12.15		
	Head Room:-D1		0.50	1	1.20		2.10	1.26		
			0.50	1	1.80		0.45	0.41		
								16.38		
								201.87		
						Limited To Schedule'B' Qty		201.69	101.91	20554.23
42	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2									
	Cealing:-Hall	Sqm	1	16.70	8.70			145.29		
	Portico		1	2.90	2.90			8.41		
	Center Beams		6	8.70			0.45	23.49		
			2	8.70			0.30	5.22		
			2	2.90			0.30	1.74		
			2	2.50			0.30	1.50		
			4	2.70			0.30	3.24		
	Staircase:-First Flight		1	3.20	1.35			4.32		
	Landing		1	3.00	1.35			4.05		
	Second flight		1	1.50	1.35			2.03		
	Head Room		1	2.10	1.35			2.84		
	Projection Roof		1	4.35	2.90			12.62		
			2	3.20	1.35			8.64		
								223.38		
	(-)Deductions:-									
	Staircase		1	4.35	2.90			12.62		
								210.76	133.62	28161.75
43	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I No. 15.53.2 of SR 2018-19).									
	External painting	Sqm	Quantity Vide Item NO-35					353.01		
								353.01		
						A)Up to125% of quantity		220.80	115.50	25502.40
						B)Above 125% of quantity		132.21	115.50	15269.68
44	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I No. 15.53.2 of SR 2018-19).									
	Head Room	Sqm	Quantity Vide Item NO-36					67.08		
								67.08		
						A)Up to125% of quantity		47.40	124.56	5904.14
						B)Above 125% of quantity		19.68	124.56	2451.34
45	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 fine grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc ,complete as per Specification Pg No 110,Item No14.51									
	Staire Case:-Treads	Sqm	19	1.35			0.30	7.70		
	Riser		21	1.35			0.15	4.25		
	Landing		1	3.00	1.35			4.05		

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	Door Front		1	1.25	1.35		1.69			
	Skirting		1	1.50	0.60		0.90			
			19	0.30		0.15	0.86			
			2	1.35		0.15	0.41			
			1	3.00		0.15	0.45			
			1	1.25		0.15	0.19			
			1	1.35		0.15	0.20			
							20.69	5045.89	104374.23
46	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13									
	Ground Floor:-Hall	Sqm	1	13.80	8.70		120.06			
			1	4.10	3.10		12.71			
			1	4.60	2.90		13.34			
	Portico		1	2.90	2.90		8.41			
	Main Entry Steps		1	2.90	1.50		4.35			
	Sump Area		1	4.30	2.90		12.47			
							171.34	714.53	122427.57	
47	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200 mm.Pg No 112,Item No 14.61.2									
	Flooring:-Hall	Sqm	1	13.80	8.70		120.06			
			1	4.10	3.10		12.71			
			1	4.60	2.90		13.34			
	Skirting		1	16.90		0.15	2.54			
			1	13.80		0.15	2.07			
			2	8.60		0.15	2.58			
			2	4.60		0.15	1.38			
			1	2.90		0.15	0.44			
	Portico		1	2.70	2.50		6.75			
			3	0.30		0.15	0.14			
	Skirting		1	2.50		0.15	0.38			
	Main Entry Steps		3	2.70	0.30		2.43			
			4	2.70		0.15	1.62			
	Sump Area		1	4.30	2.90		12.47			
	Skirting		1	4.30		0.15	0.65			
							179.54			
	(-)Deductions:-									
	Door,s		2	1.80		0.15	0.54			
							179.00	2322.51	415717.68	
48	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56									
	Nosing for Skirting Line:-Hall	Mtr	1	16.90			16.90			
			1	13.80			13.80			
			2	8.70			17.40			
			2	4.50			9.00			
	Portica Skirting		1	2.90			2.90			
	Entrance Steps		1	2.70			2.70			
			4	0.30			1.20			
	(-)Deductions:-						63.90			

	Door,s		2	1.80			3.60		
							60.30	203.83	12290.95
49	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1									
	Terrace	Sqm	1	16.80	8.60		144.48		
	Head Room		1	5.10	2.90		14.79		
	Portica		1	2.70	2.50		6.75		
	Sump		1	4.10	2.85		11.69		
							177.71		
	(-)Deductions:-								
	Head Room		1	4.30	2.90		12.47		
							165.24	595.63	98418.92
50	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	Ground floor:-D	Nos	1				1.00		
							1.00	1546.83	1546.83
51	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	Head Room:-D1	Nos	1				1.00		
							1.00	1551.36	1551.36
52	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	Ground floor:-D	Cum	2	2.10	0.20	0.15	0.13		
			2	2.40	0.20	0.15	0.14		
							0.27	99201.02	26784.28
53	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	Head Room:-D1	Cum	2	1.80	0.12	0.075	0.03		
			2	2.10	0.12	0.075	0.04		
							0.07	99205.55	6964.23
54	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 150mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground floor:-D	Sqm	1	1.80		2.10	3.78		

60	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38									
	Staircase:-Flight 1	Sqm	2	3.80		0.90	6.84		
	Flight 2		1	2.40		0.90	2.16		
	Landing		1	1.20		0.90	1.08		
	Main Entry Steps		1	1.80		0.90	1.62		
	Portica		1	2.80		0.90	2.52		
	Sump Alround		1	3.80		0.90	3.42		
			1	2.70		0.90	2.43		
							20.07		
						A)Up to125% of quantity	14.00	6818.06	95452.84
						B)Above 125% of quantity	6.07	6818.06	41385.62
61	Providing and fixing to wall, ceiling and floor, low densitypolyethylene pipes 6.00 kgf/sq.cm working pressure **110mm outsidediameter** with special flange, compression type fittings, wall clips, makinggood the wall, ceiling and floor, including cost of all materials, labourcharges, HOM of equipments and testing complete as per specifications.(P.No 95 of I.No.13.70.5 in PW,P&IWTD SR 2018-19).								
	Rain Down Water Pipes	Mtr	12	3.60			43.20		
							43.20	509.57	22013.42
62	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Embankment	Cum	1	20.80	(12.60+9.60) / 2	0.25	57.72		
							57.72	368.02	21242.11
63	Providing and Laying Pre cast drain Slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement,including form work,lift charges,curing and concrete finishing surface on both sides etc,completed as per drawing and direction of the engineer in charge of work.								
	Pre Cast Culvert Slabs	Sqm	20	1.20	0.60		14.40		
							14.40	5680.77	81803.09
	C.Electrifications								
64	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.**Short Point Up to 3m.**(Page No 5/Item No 2.1.1)								
		Point	8				8.00		
							8.00	209.70	1677.60
65	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.**Medium Point Above 3m-6m.** (Page No 5/Item No 2.1.2)								

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	Stepped regulator.(Page No 15/Item No 3.3.5)									
		No	8				8.00			
							8.00	157.28	1258.24
75	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694.confirming to latestamendments.**1.5sqmm** (Page No 6/Item No 2.3.2)									
		Rmtr	1	150.00			150.00			
							150.00	21.02	3153.00	
76	Wiring for lighting / power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694:confirming to latest amendments.**2.5sqmm** (Page No 6/Item No 2.3.3)									
		Rmtr	1	120.00			120.00			
							120.00	33.55	4026.00	
77	Supplying and fixing Metal Fan Box with Round Hook(Page No 3/Item No 1.1.2)									
		Each	8				8.00			
							8.00	89.12	712.96	
78	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting(Page No 69/Item No 12.4.2)									
		No.s	8				8.00			
							8.00	314.55	2516.40	
79	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm)(Page No 46/Item No 7.3.1)									
		Each	8				8.00			
							8.00	2191.37	17530.96	
80	Supplying and fixing hylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches. regulators etc , and fixing on existing wood or metal box using N.F.screws. (Pg. No. 17 It. No. 3.10).									
		Sqcm	1	4000.00			4000.00			
							4000.00	0.23	920.00	
81	Fixing a ceiling /wall mounting fan of all capacitres and as types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0 0076 inch PVC insulated twin twisted copper wire and wiring completely. (Pg. No. 109 It. No. 17.8).									
		Each	8				8.00			
							8.00	145.74	1165.92	
82	Supplying and fixing of Procelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washers etc., complete a)63 Amps. (Pg. No. 45 It. No. 6.7.3).									
		Each	6				6.00			
							6.00	245.35	1472.10	
83	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC extruded inner sheathed,galvanized, steel strip (except 2CX10Sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1 1988 & confirming to GTP of GROUP-A. a) 4 core 16 sqmm. (Pg No. 55 It. No. 7.4.4).									
		Mtr	1	30.00			30.00			
							30.00	147.21	4416.30	

Asst. Executive Engineer
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Yelahanka, Bangalore

84	charges for laying of 1.1 KV class UG cable in existing trench GI pipe/stoneware pipe on wall/on pole as required.In existing trench /duct.a) 6 sqm to 16 sqmm. (Pg No. 61 It. No. 7.8.1).									
		Mtr	1	30.00			30.00			
							30.00	11.32	339.60	
85	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (Pg No. 61 It. No. 7.9.1, 7.9.5)									
	b) C.C. cutting	Mtr	1	24.00			24.00			
							24.00	222.28	5334.72	
86	Supplying and fixing miniature circuit breakes on existing C8 distribution boards using necessary ruing materials and wiring complete as -1-d-red ,2. Group 'A'. (Pg. No. 47 It. No. 6.16.2, 6.16.4).									
	d) 40-63Amps DP, Group A	Each	8				8.00			
							8.00	1146.01	9168.08	
87	Supplying and flung of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary eclamping arrangements for UG cable of 1.1 KV class. (Pg. No. 62 It. No. 7.12.1).									
	a) 40mm	Mtr	1	4.00			4.00			
							4.00	361.73	1446.92	
88	Fabricating supplying and mounting MS box made out SWG sealable ea floor / wall mounting, fully weather proof with provision for bolter heat dissipation . provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with 'necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished ii-r approved colour enameled metal pan etc.. complete. (Pg. No. 49 It. No. 6.40.2)									
	b)16 SWG	Each	1	4000.00			4000.00			
							4000.00	0.35	1400.00	
89	Supplying and fixing regular MCB distribution boards on wall/woodboard / flush mounting using reputed calmps. bead, nuts etc.. with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coaled painting etc.. complete. II Double Door. Group A.(Pg. No. 47 It. No. 6.17.III.10).									
	a) 12Way TP &N	Each	8				8.00			
							8.00	5387.19	43097.52	
90	Supplying exhaust fan of 1440 RPM of 300mm (12") size was bracket blades complete for light duty suitable to operate on 230V 50Hz. AC. (Pg. No. 78 It. No. 9.1).									
		Each	4				4.00			
							4.00	1782.45	7129.80	
91	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23/ 0.0076 inch PVC insulated twin core wire. (Pg. No. 109 It. No. 17.12).									
		Each	4				4.00			
							4.00	431.98	1727.92	
92	Supplying and ruing cast Aluminium round or oblong type but head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp. (Pg. No. 20 It. No. 4.4).									
		Each	6				6.00			
							6.00	998.17	5989.02	
93	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring 5 years Warranty against any manufacturing defect working under standard electrical condition. (Pg. No. 25 It. No. 4.31).									
		Each	20				20.00			
							20.00	1958.60	39172.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yelk. Zn)
Yelahanka, Bangalore

94	Supplying, fixing, wiring, earth electrode for grounding conduits. I C cutouts and other r requirements on the meter board using 40rnm du 1.90 thick GL pipe 25 rob long buried in a pit....The pa should be filled with equal proportion of salt and charcoal 150rnm alround the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checkouts etc. the pipe shall have 16 through holes of 122mm dia. (Pg. No. 55 It. No. 7.1).									
		Each	2				2.00			
							2.00	2859.26	5718.52	
95	Supplying box type suitable for 28W T5 single / twin Lamp 8 suspension mounted luminaire 8 optical reflector. Prewired with HF electronic Ballast, push fit type tamp holders holders 8 main connectors. Channel Cover shag be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 1x4' – 28 watts. (Pg. No. 20 It. No. 4.7.1)									
		Each	20				20.00			
							20.00	1038.02	20760.40	
96	Fixing all types and as capacities fluorescent/ false ceiling/ spot light/ CFL fitting indoor on the wan/ ceiling/ rafters/ girders using 23/ 0.0076 twin twisted PVC insulated wires, required nos of round blocks and camps. A) On wall/ ceiling/ rafter/ girders. (Pg. No. 108 It. No. 17.7.1)									
		Each	20				20.00			
							20.00	102.75	2055.00	
								Total RS	6862265.69	
							Add GST @ 12% RS		823471.88	
								Grand Total RS	7685737.58	

CERTIFICATE

1 Certified that the above work done is satisfactory completed to work.
2 Certified that the there is no debries have been cleared to site

30/4/2022

Agency Signature

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 22/10/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
1	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)						
	For CC Road:-N-LIG 4th Block Back	cum	1	20.40	20.30	0.20	82.82
			1	8.70	2.70	0.20	4.70
			1	23.60	3.60	0.15	12.74
			1	2.40	2.00	0.15	0.72
			1	8.20	7.80	0.20	12.79
			1	3.30	2.20	0.20	1.45
			1	10.00	5.20	0.20	10.40
			0.50	11.00	9.00	0.20	9.90
			1	18.20	4.35	0.20	15.83
			1	3.50	2.70	0.20	1.89
			1	7.60	3.70	0.20	5.62
			1	11.00	4.50	0.20	9.90
			1	1.20	0.90	0.20	0.22
	Debris Removal		1	17.80	15.10	0.45	120.95
			1	14.80	9.50	0.40	56.24
						Total Qty	**346.19**
	(-)Deductions -						
	Man Holes		1	1.00	0.60	0.20	0.12
	Circles		1	(3.142X4.00X4.00) / 4		0.20	2.51
			0.50	(3.142X4.00X4.00) / 4		0.20	1.26
							3.89
						Net Qty	**342.29**
						A)Up to125% of quantity	**187.64**
						B)Above 125% of quantity	**154.66**

Verified

22/10/2021

22/10/2021
AE SL

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 23/10/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
3	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)						
	For CC Road:-N-LIG 4th Block Back	Sqm	1	20.40	20.30		414.12
			1	8.70	2.70		23.49
			1	23.60	3.60		84.96
			1	2.40	2.00		4.80
			1	8.20	7.80		63.96
			1	3.30	2.20		7.26
			1	10.00	5.20		52.00
			0.50	11.00	9.00		49.50
			1	18.20	4.35		79.17
			1	3.50	2.70		9.45
			1	7.60	3.70		28.12
			1	11.00	4.50		49.50
			1	1.20	0.90		1.08
						Total Qty	**867.41**
	(-)Deductions:-						
	Man Holes		1	1.00	0.60		0.60
	Circles		1	(3.142X4.00X4.00) / 4			12.57
			0.50	(3.142X4.00X4.00) / 4			6.28
							19.45
						Net Qty	**847.96**

A.E.E 23/10/2021

23/10/2021

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 24/10/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4 1, 4.2 (P.No.13,I.No.4.2 of PW,P&IWTD SR 2018-19)						
	For CC Road:-N-LIG 4th Block Back	cum	1	20.40	20.30	0.15	62.12
			1	8.70	2.70	0.15	3.52
			1	23.60	3.60	0.15	12.74
			1	2.40	2.00	0.15	0.72
			1	8.20	7.80	0.15	9.59
			1	3.30	2.20	0.15	1.09
			1	10.00	5.20	0.15	7.80
			0.50	11.00	9.00	0.15	7.43
			1	18.20	4.35	0.15	11.88
			1	3.50	2.70	0.15	1.42
			1	7.60	3.70	0.15	4.22
			1	11.00	4.50	0.15	7.43
			1	1.20	0.90	0.15	0.16
						Total Qty	130.11
	(-)Deductions:-						
	Man Holes		1	1.00	0.60	0.15	0.09
	Circles		1	(3.142X4.00X4.00) / 4		0.15	1.89
			0.50	(3.142X4.00X4.00) / 4		0.15	0.94
							2.92
						Net Qty	127.19

Verified
A.E.E. 24/10/21

24/10/2021

Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

B.BUILDING

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 07/11/21

S.N	Description of Item's	Unit	No	Measurements			Qty
				L	B	D	
8	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a)/2.3.1 KSRB 2-1.1.-do- ordinary soil (BCSR Item No 2.1 Page No 6)						
	Lowering and Levelling:-	Cum	1	20.80	(12.60+9.60)	0.15	34.63
					2		
						Total Qty	34.63

07/11/2021

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 19/11/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
9	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4						
	Footings:-F1	Cum	6	2.45	2.15	1.65	52.15
	F2		5	2.15	1.85	1.65	32.81
	F3		4	2.10	1.80	1.65	24.95
	F4		2	1.40	1.40	1.65	6.47
	Foundations:-Long Walls		2	17.85	0.75	1.20	32.13
			1	6.60	0.75	1.20	5.94
			1	3.50	0.75	1.20	3.15
	Short Walls		1	8.35	0.75	1.20	7.52
			1	3.75	0.75	1.20	3.38
			2	3.85	0.75	1.20	6.93
			1	0.65	0.75	1.20	0.59
			2	2.10	0.75	1.20	3.78
	Sump		1	4.90	3.30	1.85	29.91
	Flagging Coarse :- R.Side		1	21.90	0.45	0.30	2.96
	L.Side		1	21.75	0.45	0.30	2.94
	Front		1	9.90	0.45	0.30	1.34
						Total Qty	216.93
	(-)Deductions:-						
	For Footings:-F1		6	2.15	0.75	1.20	11.61
	F2		5	1.85	0.75	1.20	8.33
	F3		4	0.90	0.75	1.20	3.24
			4	1.05	0.75	1.20	3.78
	F4		2	0.70	0.75	1.20	1.26
			2	0.70	0.75	1.20	1.26
							29.48
						Net Qty	187.45

Verified

A.E.E

19/11/2021

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 22/11/2021

S.N	Description of item's		Unit	No	Measurements L	B	D	Qty
10	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15							
		Footings:-F1	Cum	6	2.45	2.15	0.30	9.48
		F2		5	2.15	1.85	0.30	5.97
		F3		4	2.10	1.80	0.30	4.54
		F4		2	1.40	1.40	0.30	1.18
		Flooring:-Hall		1	8.70	3.25	0.15	4.24
				1	8.70	3.20	0.15	4.18
				1	8.70	3.20	0.15	4.18
				1	8.70	3.25	0.15	4.24
		Staurecase		1	4.20	2.90	0.20	2.44
				1	4.10	2.90	0.20	2.38
		Portica		1	2.50	2.55	0.20	1.28
		Steps		1	2.90	1.90	0.20	1.10
		Sump		1	4.90	3.30	0.30	4.85
							Total Qty	50.04
							A)Up to125% of quantity	10.58
							B)Above 125% of quantity	39.46

Verified

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

22/11/2021

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 02/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
12	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Pg No 25 item No 5.6						
	Foundations for1st Footing.s:- Long Walls	Cum	2	17.60	0.65	0.55	12.58
			1	6.35	0.65	0.55	2.27
	Short Walls		1	3.25	0.65	0.55	1.16
			1	8.60	0.65	0.55	3.07
			1	4.00	0.65	0.55	1.43
			2	4.10	0.65	0.55	2.93
			1	0.85	0.65	0.55	0.30
			2	2.35	0.65	0.55	1.68
	2nd Footing.s:- Long Walls		2	17.45	0.50	0.45	7.85
			1	6.20	0.50	0.45	1.40
			1	3.10	0.50	0.45	0.70
	Short Walls		1	8.75	0.50	0.45	1.97
			1	4.15	0.50	0.45	0.93
			2	4.25	0.50	0.45	1.91
			1	1.00	0.50	0.45	0.23
			2	2.50	0.50	0.45	1.13
	Basement :- Long Walls		2	17.40	0.45	0.35	5.48
			1	6.15	0.45	0.35	0.97
			1	3.05	0.45	0.35	0.48
	Short Walls		1	8.80	0.45	0.35	1.39
			1	4.20	0.45	0.35	0.66
			2	4.30	0.45	0.35	1.35
			1	1.10	0.45	0.35	0.17
			2	2.55	0.45	0.35	0.80
						Total Qty	52.85
	Deductions for foundations:-						
	For Columns:-C1		6	0.45	0.30	0.55	0.45
	C2		5	0.45	0.20	0.55	0.25
	C3		4	0.45	0.20	0.55	0.20
	C4		2	0.30	0.30	0.55	0.10
	For Columns:-C1		6	0.45	0.30	0.45	0.36
	C2		5	0.45	0.20	0.45	0.20
	C3		4	0.45	0.20	0.45	0.16
	C4		2	0.30	0.30	0.45	0.08
	For Columns:-C1		6	0.45	0.30	0.35	0.28
	C2		5	0.45	0.20	0.35	0.16
	C3		4	0.45	0.20	0.35	0.13
	C4		2	0.30	0.30	0.35	0.06
							2.43
						Net Qty	50.42
						A)Up to125% of quantity	44.73
						B)Above 125% of quantity	5.70

Verified

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bengaluru

02/12/2021

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 06/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
14	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10						
		Cum		Quantity Vide Item No-09			187.45
	(-)Deductions for Filling in Soling:-F1		6	2.45	2.15	0.30	9.48
	F2		5	2.15	1.85	0.30	5.97
	F3		4	2.10	1.80	0.30	4.54
	F4		2	1.40	1.40	0.30	1.18
	Sump		1	4.90	3.30	0.30	4.85
	Footings:-F1		6	2.45	2.15	0.15	4.74
	F2		5	2.15	1.85	0.15	2.98
	F3		4	2.10	1.80	0.15	2.27
	F4		2	1.40	1.40	0.15	0.59
	Foundations:-Long Walls		2	17.70	0.75	0.10	2.66
			1	6.45	0.75	0.10	0.48
			1	3.35	0.75	0.10	0.25
	Short Walls		1	8.50	0.75	0.10	0.64
			1	3.90	0.75	0.10	0.29
			2	4.05	0.75	0.10	0.61
			1	0.75	0.75	0.10	0.06
			2	2.25	0.75	0.10	0.34
	Sump		1	4.90	3.30	0.15	2.43
	Sump Tank		1	4.30	2.70	1.45	16.83
	Foundations for 1st Footing.s:- Long Walls	Cum	2	17.60	0.65	0.55	12.58
			1	6.35	0.65	0.55	2.27
			1	3.25	0.65	0.55	1.16
	Short Walls		1	8.60	0.65	0.55	3.07
			1	4.00	0.65	0.55	1.43
			2	4.10	0.65	0.55	2.93
			1	0.85	0.65	0.55	0.30
			2	2.35	0.65	0.55	1.68
	2nd Footings:- Long Walls		2	17.45	0.50	0.45	7.85
			1	6.20	0.50	0.45	1.40
			1	3.10	0.50	0.45	0.70
	Short Walls		1	8.75	0.50	0.45	1.97
			1	4.15	0.50	0.45	0.93
			2	4.25	0.50	0.45	1.91
			1	1.00	0.50	0.45	0.23
			2	2.50	0.50	0.45	1.13
	Flagging Coarse Concrete :- R/Side		1	21.90	0.45	0.10	0.99
	L/Side		1	21.75	0.45	0.10	0.98
	Front		1	9.90	0.45	0.10	0.45
	Flagging Coarse :- R/Side		1	21.90	0.15	0.25	0.82
	L/Side		1	21.75	0.15	0.25	0.82
	Front		1	9.90	0.15	0.25	0.37
							107.14
						Net Qty	80.32

verified by A.E.E 12

06/12/2021

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 09/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
16	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured)**(BCSR Item No 3.2,Page No. 10)**						
	Flooring:-Hall	Sqm	1	8.70	3.25		28.28
			1	8.70	3.20		27.84
			1	8.70	3.20		27.84
			1	8.70	3.25		28.28
	Staircase		1	4.20	2.90		12.18
			1	4.10	2.90		11.89
	Portica		1	2.50	2.55		6.38
	Sump Alround		2	4.30	0.15		1.29
			2	2.80	0.15		0.84
	Flooring Concrete :- R/Side		1	21.90	0.90		19.71
	L/Side		1	21.75	0.95		20.66
	Front		1	9.90	0.90		8.91
	Back		1	12.80	0.60		7.68
						Total Qty	201.77
						Limited To Schedule'B' Qty	199.77

Verified
A.E.E 09/12/2021

09/12/2021

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Tnk. Zn)
Yelahanka, Bangalore

BRUHAT BENGALURU MAHANAGARA PALIKE

NAME OF WORK:- Construction of Storm water drains and other Civil works at Shivanandapura Road in Yelahanka Zone

Agency:- SHIVAKUMARA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On

Sl No	Description	Measurements L	B	D	Qty
	KSR 4-6.4 :- Providing and [illegible] such as walls at any [illegible] as per specifications. Special [illegible] and removal of [illegible] work for vertical surface [illegible] and using [illegible] of all materials, labour complete				
				0.45	12.42
				0.45	7.83
				0.45	3.69
				0.45	2.61
				0.45	3.78
				0.45	2.61
				0.45	2.30
				0.45	2.39
				0.45	15.57
				0.45	1.80
				0.45	2.61
				0.45	8.64
			Total Qty		66.24
			Deduct To Schedule 'B' Qty		65.07

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 27/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
19	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32						
	Columns:-Up to Ground Level:-C1	Sqm	6	1.50		1.25	11.25
	C2		5	1.30		1.35	8.78
	C3		4	1.30		1.40	7.28
	C4		2	1.20		1.50	3.60
	Lintel Level:-C1		6	1.50		2.10	18.90
	C2		5	1.30		2.10	13.65
	C3		4	1.30		2.10	10.92
	C4		2	1.20		2.10	5.04
	Beam Level:-C1		6	1.50		0.70	6.30
	C2		5	1.30		0.70	4.55
	C3		4	1.30		0.70	3.64
	C4		2	1.20		0.70	1.68
	Parapet Level:-C1		6	1.50		0.90	8.10
	C2		5	1.30		0.90	5.85
	C3		4	1.30		0.90	4.68
	C4		2	1.20		0.90	2.16
	Head Room Columns:-C2		3	1.30		2.10	8.19
	C3		1	1.30		2.10	2.73
	Parapet Level Columns:-C2		3	1.30		0.60	2.34
	C3		1	1.30		0.60	0.78
						Total Qty	130.42

Verified
A.E.E

27/12/2021

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T.K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 08/02/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
21	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36						
	Roof Alround:-Hall	Sqm	2	17.30		0.15	5.19
			2	2.90		0.15	0.87
	Staire case		2	9.60		0.15	2.88
			2	4.35		0.15	1.31
	Sump		2	2.90		0.15	0.87
			1	4.30		0.15	0.65
	Head Room		2	2.80		0.15	0.84
			2	5.70		0.15	1.71
			2	3.20		0.15	0.96
						Total Qty	15.27
						A)Up to125% of quantity	15.05
						B)Above 125% of quantity	0.22

Verified
A.E.E

08/02/2022

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 18/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
23	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38						
	Staircase:-weist slab 1st flight	Sqm	1	4.00	1.40		5.60
	Landing		1	3.10	1.40		4.34
	2nd flight		1	2.50	1.40		3.50
	Landing		1	1.25	1.40		1.75
						Total Qty	15.19

18/12/2021 A.E.E 18/12

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre Measurements Taken On:- 22/12/2021

S.N	Description of item's	Unit	No	Measurements			Qty
				L	B	D	
24	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37						
	Chejja.s:-W	Sqm	9	2.10	0.45		8.51
						Total Qty	8.51

22/12/2021

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yhk. Zn)
Yelahanka, Bangalore
22/12/2021

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 05/12/2021

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
31	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2						
	GF Footing,s:-12mm Dia (0.15c/c)	Tonne					
	Long Reinforcements						
	Footings.-F1	30	6	3.40	612.00		
	F2	26	5	3.00	390.00		
	F3	26	4	2.80	291.20		
	F4	20	2	2.05	82.00		
	Short Reinforcements						
	Footings.-F1	34	6	3.10	632.40		
	F2	30	5	2.80	420.00		
	F3	30	4	2.75	330.00		
	F4	20	2	2.05	82.00		
					2839.60	0.89	2527.24
	Verified A.E.E 27/12						
	Measurements Continued On :- 27/12/2021						
	Columns:-20 mm Dia Rods						
	C1	4	6	7.50	180.00		
					180.00	2.47	444.60
	16 mm Dia Rods						
	C1	4	6	7.50	180.00		
	C2	8	5	7.50	300.00		
	C3	4	4	7.50	120.00		
	C4	4	2	7.50	60.00		
					660.00	1.58	1042.80
	12 mm Dia Rods						
	C3	4	4	7.50	120.00		
					120.00	0.89	106.80
	Verified A.E.E 27/12						
	Stirrups						
	8 mm Dia Rods(0.20c/c)						
	C1	33	6	1.50	297.00		
		33	6	1.20	237.60		
	C2	16	5	1.35	108.00		
		33	5	1.00	165.00		
	C3	16	4	1.35	86.40		
		33	4	1.00	132.00		
	C4	33	2	1.20	79.20		
					1105.20	0.39	431.03
	Measurements Continued On :- 18/12/2021						
	Plinth Beam :-Top Rods 20mm Dia						

18/12/2021

8mm Dia (0.150 c/c)						
GB11	32	3	1.35	129.60		
8mm Dia (0.200 c/c)						
GB11	20	3	1.65	99.00		
				876.15	0.39	341.70

Measurements Continued On :- 20/01/2022

Roof:-Main Rods 10mm Dia (0.125c/c)						
Alternative Crank Rods	70	1	4.25	297.50		
	71	1	4.75	337.25		
	71	1	5.05	358.55		
	70	1	4.75	332.50		
	34	1	4.75	161.50		
	21	1	3.60	75.60		
Tension Rods	70	1	0.60	42.00		
	71	2	1.65	234.30		
	71	2	1.65	234.30		
	70	2	1.65	231.00		
	34	2	1.65	112.20		
	21	2	1.20	50.40		
Supporting Chaires	1	60	1.20	72.00		
				2539.10	0.62	1574.24
Distrubution Rods 8mm Dia (.20c/c)						
Stright Rods:-	71	1	9.30	660.30		
	17	1	4.70	79.90		
	13	1	3.00	39.00		
Additional Rods	4	1	9.30	37.20		
	10	1	9.30	93.00		
	10	1	9.30	93.00		
	10	1	9.30	93.00		
	10	1	9.30	93.00		
	10	1	4.70	47.00		
	7	1	3.00	21.00		
				1256.40	0.39	490.00
						11812.01
					Total Qty	11.81

Verified

A.E.E 01/22

20/01/2022

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK:- Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

Agency:-Sri.Shankarappa T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Pre-Measurements Taken On:- 10/01/2022

S.N	Description of item's	Unit	No	Measurements L	B	D	Qty
32	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2						
	Head Room Columns:-16 mm Dia Rods	Tonne					
	C2	8	3	1.90	45.60		
	C3	4	1	1.90	7.60		
					53.20	2.47	131.40
	12 mm Dia Rods						
	C3	4	1	1.90	7.60		
					7.60	0.89	6.76
	Stirrups						
	8 mm Dia Rods(0.20c/c)						
	C2	6	3	1.35	24.30		
		10	3	1.00	30.00		
	C3	6	1	1.35	8.10		
		10	1	1.00	10.00		
					72.40	0.39	28.24
	Measurements Continued On :- 04/02/2022						
	Roof:-Main Rods 10mm Dia (0.15c/c)						
	Alternative Crank Rods	32	1	3.30	105.60		
	Extra Rods	64	1	1.00	64.00		
					169.60	0.62	105.15
	Distrubution Rods 8mm Dia (20c/c)						
	Distrubution Rods	24	1	5.80	139.20		
	Additional Rods	13	1	5.80	75.40		
					214.60	0.39	83.69
	Measurements Continued On :- 04/02/2022						
	Staire Case:-Main Rods 12mm Dia (0.12c/c)						
	Staire case 1st flight	12	1	6.00	72.00		
	2nd flight	12	1	6.00	72.00		
					144.00	0.89	128.16
	Distrubution Rods 10mm Dia (0.15c/c)						
	1st flight	28	1	1.45	40.60		
	Landing	9	1	3.30	29.70		
	2nd flight	18	1	1.45	26.10		
	Landing	9	1	3.30	29.70		
					126.10	0.62	78.18
							561.59
					Total Qty		0.56

Verified by A.E.E

Verified by A.E.E

Verified by A.E.E

Verified 10/01/2022